

**SURVEILLANCE SYSTEM AND METHODS REGARDING SAME**

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**Abstract of the Invention**

A system and method for use in monitoring a search area includes positioning a plurality of imaging devices at one or more installation sites such that corresponding fields of view for the plurality of imaging devices cover a defined search area. For example, each field of view of each  
10 imaging device may include a field of view portion which overlaps with at least one other field of view of another imaging device, e.g., the field of view portion which overlaps may be greater than about 25 percent and less than about 85 percent of the field of view of the imaging device. Further, for example, images may be fused using one or more homography  
15 transformation matrices.

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